

PRODUCT BASIC INFORMATION

# VMH 35

Best Performances in Outdoor Environments



PART NO. 23606U - B00085501

# VMH 35

**Stylish black glass cockpit design / slim panel profile / powerful core**

## KEY FEATURES

- ▶ Stylish black-glass design with brushed stainless-steel ring
- ▶ New generation sun-readable color hybrid display
- ▶ Intelligent Battery Sensor (IBS) port
- ▶ Analog to NMEA 2000® gateway
- ▶ Integrated high-performance GNSS receiver
- ▶ NMEA 2000® certified

Designed with stylish mineral glass front lens framed by a brushed stainless-steel ring, it can display a wealth of critical boat system data in a compact package that's perfect for cockpits on smaller vessels with limited space.

The VMH 35 has an embedded GNSS receiver to support and show navigation information, while it is able to monitor analogue input directly, such as fuel, trim, and tachometer. A special input is dedicated to the Veratron IBS (Intelligent Battery Sensor). It can provide critical 12V battery monitoring information. All these data are distributed to NMEA 2000® thanks to its embedded certified gateway.



Setup local alarms and send them to other devices via NMEA 2000®



The finest quality in every detail



Water-sealed connector and NMEA 2000® DeviceNet plug

## GPS DATA

|                                |                       |
|--------------------------------|-----------------------|
| Navigation system              | GPS, GLONASS, Galileo |
| Update rate                    | 10 Hz                 |
| Channels                       | 72                    |
| Tracking sensitivity           | -165 dBm              |
| Time to first fix (hot start)  | 1 s                   |
| Time to first fix (cold start) | 30 s                  |
| Position accuracy              | 2.5 m                 |
| Velocity accuracy              | 0.05 m/s              |
| Heading accuracy               | 0.3°                  |

## TECHNICAL DATA

|                       |  |
|-----------------------|--|
| Operating voltage     | 12 V   |
| Voltage range         | 9 - 16 V                                       |
| Protection class      | IP X7  |
| Flammability          | UL94 compliant                                 |
| Power consumption     | ≤ 15 mA (normal mode)<br>≤ 120 µA (sleep mode) |
| Dimensions            | Ø 100 (Ø 85 mm mounting)                       |
| Active area           | Ø 83 mm (optically bonded display)             |
| Central display       | 1.44", 128 x 128 Pixel                         |
| Lens                  | Mineral glass                                  |
| Buttons               | 2 silicon buttons                              |
| Ring                  | Brushed stainless steel                        |
| Operating temperature | -20°C to 60°C                                  |
| Storage temperature   | -30°C to 80°C                                  |
| Plugs                 | Molex MX-150, 12 pins<br>DeviceNet M12, 5 pins |



**Best performances  
in outdoor environments**





## The perfect device for outboard engines' monitoring

### TFT DISPLAYED DATA

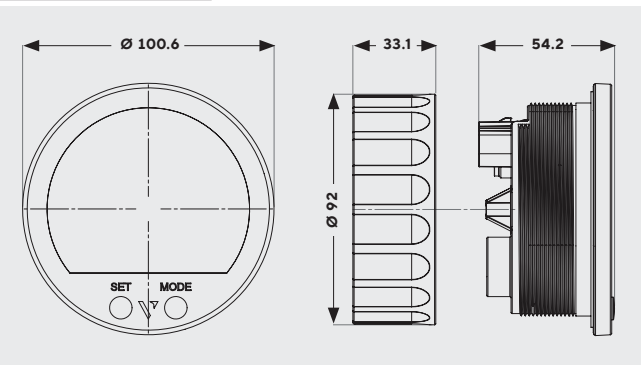
|                           |                         |
|---------------------------|-------------------------|
| Freshwater Level          | Fuel Consumption        |
| Wastewater Level          | Fuel Level              |
| Rudder Angle              | Coolant Temperature     |
| Trim                      | Coolant Pressure        |
| GPS Position              | Engine Oil Temperature  |
| Course Over Ground        | Engine Oil Pressure     |
| Engine Speed (RPM)        | Boost Pressure          |
| Seawater Temperature      | Ammeter                 |
| Depth                     | Battery Voltage         |
| Clock                     | Battery State of Charge |
| Hour Counter (Total+Trip) | Battery State of Health |
| Trip Distance             | Battery Autonomy        |
| Total Fuel Used           | Battery Temperature     |
| Total Fuel                |                         |

### ADDITIONAL DISPLAYED DATA

|                           |                       |
|---------------------------|-----------------------|
| ✓ Engine Speed            | ✓ Gear position       |
| ✓ Boat Speed (SOG or STW) | ✓ 6 x Alarm telltales |



### DIMENSIONS



### NMEA PGNS

|                                 |        |                            |        |                         |        |
|---------------------------------|--------|----------------------------|--------|-------------------------|--------|
| GPS Almanac Data                | 126992 | Engine Parameters, Dynamic | 127489 | Battery Status          | 127508 |
| Rudder                          | 127245 | Fluid Level                | 127505 | COG & SOG, Rapid Update | 129026 |
| Engine Parameters, Rapid Update | 127488 | DC Detailed Status         | 127506 | GNSS Position Data      | 129029 |

### KIT

**Outboard Engine Kit** (incl. VMH35 Display, IBS 12V 250 A/h with battery adapter, wire harness 6 m with connectors for level sensor and IBS and bullets terminals for tachometer trim and powersupply)

PART NO.  
21617N  
B00062402

» **STYLISH DESIGN  
AND POWERFUL CORE**



PART NO. 21965N - B00109901

## VMH 14



- ▶ VMH look-and-feel
- ▶ Digital display with visual bargraph
- ▶ Easylink interface
- ▶ Up to 16 satellites
- ▶ Configurable with your smartphone via Airlink
- ▶ Trim, Voltmeter, Fuel Level, Water Temperature, Transmission Oil Temp. and Pressure, Engine Oil Temp. and Pressure



**UFLEX s.r.l.** / Via Milite Ignoto 8A / 16012 Busalla (GE) / Italy  
T +39 010 9620228 / [uf.marine.sales@ultraflexgroup.com](mailto:uf.marine.sales@ultraflexgroup.com) / [www.uflex.it](http://www.uflex.it)

The information provided in this brochure contains only general descriptions or performance characteristics, which do not always apply as described in case of actual use or which may change as a result of further development of the products. This information is merely a technical description of the product. It is not meant or intended to be a special guarantee for a particular quality or particular durability. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.

We reserve the right to make changes in availability as well as technical changes without prior notice.

Veratron AG / English © 2021